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Documentation & Access:

Indexing with the Getty Vocabularies

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Abstract:

This paper explores the strengths, weaknesses, and issues surrounding the use of the three Getty vocabularies (the *Art & Architecture Thesaurus*® (AAT), the *Getty Thesaurus of Geographic Names*™ (TGN), and the *Union List of Artist Names*® (ULAN)) in cataloging and retrieval. It discusses uses of the vocabularies 1) as sources of vocabulary for catalog records for art and cultural heritage, 2) as sources of names (including variant spellings, names in various languages, and historical names) for use in retrieval tools to gain access to information about art and architecture across different resources in digital form, and 3) as "knowledge bases" for researchers wishing to learn about the concepts they describe.

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Biography:
Patricia Harpring is Senior Editor of the Getty Vocabulary Program in Los Angeles (http://www.getty.edu/gri/vocabularies), and has worked on data standards and controlled vocabularies for art-historical materials for more than a decade. She holds a Ph.D. in Art History from Indiana University and a Master's Degree from the Syracuse University Florence Fellowship Program. She co-edited (with Murtha Baca) the publication of *Categories for the Description of Works of Art* as well as the special issue of the journal *Visual Resources* devoted to the CDWA. Her publications include several articles on vocabularies and indexing, and a monograph on the fourteenth-century Sienese painter Bartolo di Fredi (London: Associated University Presses, 1993).

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Introduction

- Getty Vocabulary Program
  - *Art & Architecture Thesaurus* ® (AAT)
  - *Union List of Artist Names* ® (ULAN)
  - *Getty Thesaurus of Geographic Names* ™ (TGN)
- Work hand-in-hand with standards
- Focus on Visual Arts & Architecture
- However, principles may be applied more broadly

Standards and Vocabularies

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Controlled vocabulary is more effective when used in the context of standards

Coverage of data standards

- Data structure: what constitutes a record?
  - defines fields and their relationships (e.g. MARC [Machine-readable Cataloging] format)
- Data content: how should data be entered?
  - includes cataloguing rules and syntax for data (e.g. AACR2 [Anglo-American Cataloguing Rules, 2nd edition])
- Data value: what is the actual data?
  - specifies the vocabulary and character sets used in the fields (e.g. Library of Congress Subject Headings, AAT, ICONCLASS)

Controlled vocabulary is more effective when used in the context of standards

Types of data standards

- Technical standards
  - ISO 8879 (SGML)
- Conventions/Professional Standards/Rules
  - Museum Documentation Association Data Standard
- Guidelines
  - CDWA (Categories for the Description of Works of Art)
  - ICOM-CIDOC (International Committee for Documentation of the International Council of Museums) International Guidelines for Museum Object Information

Categories for the Description of Works of Art

http://www.getty.edu/gri/standard

Guidelines vs. rules, allow community buy-in
Flexible, but broad coverage within scope

Sponsored by the Getty and CAA

Art Information Task Force (AITF) included art historians, museum professionals, visual resource professionals, and librarians

- **Consensus on categories of information required to enable research**
- **Categories and subcategories of information to describe works of art and material culture**

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27 Broad Categories, 150

Accessibility across databases ensured by common "core"

- Exhaustive for given
- Only six are core

- Object/Work CORE
- Classification CORE
- Orientation/Arrangement
- Titles or Names CORE
- State
- Edition
- Measurements
- Materials and Techniques
- Facture
- Physical Description
- Inscriptions/Marks
- Condition/Examination History
- Conservation/Treatment History
- Creation CORE
- Ownership/Collecting History
- Copyright/Restrictions
- Styles/Periods/Movements
- Subject Matter CORE
- Context
- Exhibition/Loan History
- Related Works
- Related Visual Documentation
- Related Textual References
- Critical Responses
- Cataloging History CORE
- Current Location
- Descriptive Note

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Catego
Creation

- **Discussion** of issues & potential problems
  - e.g., multiple artists working on a single object, multiple attributions, false signatures
- Suggested **Source** of information
- Subcategories: examples
- Issues regarding access
- Terminology

Guidelines cover important concerns, including vocabulary

DISCUSSION

Information about creation is necessary to identify the work and to distinguish it from other works. Knowing the creators and the date and place of creation provides researchers with crucial understanding of the context and meaning of the work.

This category focuses on the action or activity of creation, design, or manufacture. A work of art may be the product of a number of processes, and the creator responsible for each contribution should be recorded.

Establishing the authorship of works of art has long been one of the primary concerns of art historians. As a result, the literature may reflect disputes about the attribution of a particular work, such as the ongoing debate concerning conclusions reached by the Stitching Foundation Rembrandt Research Project. When multiple suggestions have been made, the preferred attribution of the repository of the work should be indicated. Other attributions have scholarly interest, however, and should be recorded also.

Multiple individuals may be responsible for the creation of a work, and they may have played different roles. It is important to distinguish the artist primarily responsible for making or designing the work. If a work is the product of a company, such as Artimede, the company is identified as the creator. If two or more artists assumed a joined identity to create a work , their assumed identity is recorded as creator (e.g., Beggarstaff Brothers , comprising the individuals William Nicholson and James Pryde). However, the individuals should be associated with the joint identity; this could be done most efficiently in an authority. It is also important to identify those who had secondary roles in making the work, such as master printers, technicians, or publishers. Each individual or group of individuals and their roles should be recorded in a separate occurrence of the CREATION group of subcategories.

The creator of a work may be identified by a signature on the object. However, it is possible that a work may be marked with false signatures or names other than the artist (e.g., the Five-colored Parakeet scroll in the Museum of Fine Arts, Boston, bears the signature of the emperor Hui Zong, but experts in the field attribute its creation to an anonymous court academician).

Source

Information about the attribution of a work can be derived from a signature or inscription on the object, from published or unpublished expert analysis of the style, or from archival documents. Other information about creation can be found in unpublished documents such as inventories, letters, bills of sale, photo mounts, and repository records, or in published monographs, catalogs, and journal articles.

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Object ID

Related guidelines in same discipline differ to accomodate different needs But map to larger set of guidelines (CDWA)

- **Produ**
  Objects **project**
- **Describes the minimum information needed to protect art objects**
- **Audience includes museums, law enforcement agencies, appraisers, customs agents, and insurers**
- **Based on CDWA**

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A Guide to the Description of Architectural Drawings

Architectural Drawing Advisory Group
Foundation for Documents of Architecture

Vicki Porter & Robin Thornes

Related guidelines for narrower subject Map to related set of guidelines (CDWA)

- **Architectural Drawings Advisory Group (ADAG) & Foundation for Documents of Architecture (FDA)**
- **Consensus among architectural historians, museum professionals, information specialists, archivists, & librarians**
- **110 categories and subcategories to describe architectural drawings and architecture**

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Getty Vocabularies

http://www.getty.edu/gri/vocabularies

- Structure & content are based upon standards *(e.g., International Organization for Standardization (ISO), Categories for the Description of Works of Art (CDWA))*
- Are compiled resources (not comprehensive)
- Growth through collaboration, inside Getty & outside

Determine how to create appropriate

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Types of terms in vocabularies

- *personal names:* **Painter of the Wedding Procession** *(attributed to);* **Nikodemos** *(signed, as potter)*
- *geographic names:* **Athens**
- *object names:* **storage vessels, Panathenaic amphorae**
- *corporate names:* ***J. Paul Getty Museum***
- *iconographic subjects and themes:* ***Nike Crowning the Victor, with Judge on right and defeated opponent on left***
- *genre terms:* **Antiquities, ceremonies**
- *multilingual terms:* **Athínaí** (*Greek*) = **Athens** (*English*) = **Athenae** (*Latin*)

Vocabulary should fit the subject being

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Art & Architecture Thesaurus

- Contains around 26,000 concepts, 125,000 terms
- Records contain terms, notes, relationships, bibliography

- *Scope ranges from antiquity to present*
- *Global, but preponderance of Western concepts*
- *Terms describe Art, Architecture, Decorative Arts, Material Culture, & Archival Materials*

Define the scope and range of the

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Elements of an AAT record

parent concept
furnishings
mirrors
wall mirrors

Note: The Focus of each vocabulary record is a concept - not a "term"

concept
object, material, activity, style, attribute...

names/terms
pier glasses
pier mirrors
trumeaux

scope note
Tall, narrow mirrors intended to fill the pier, the space between two windows...

related concepts
pier tables

sources
Comstock, Helen. *The Looking Glass in America, 1700-1825.*

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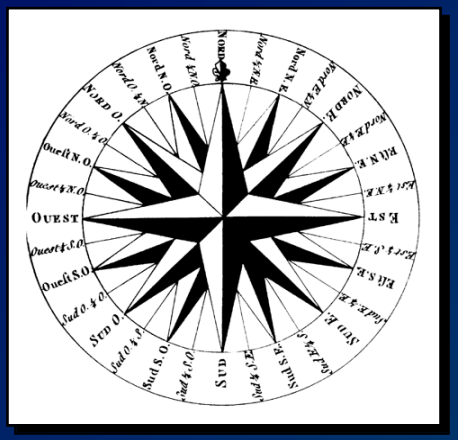
Getty Thesaurus of Geographic Names

Scope and range



- *Records for 900,000 places, 1,000,000 names*
- *Names, coordinates, relationships, dates & bibliography*

- Includes all continents and nations of modern political world, historical places
- Includes physical features
- Includes inhabited places, other administrative and political entities
- Emphasis on places important to art & architectural history

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Elements of a TGN Record

Focus is concept

place

names
Siena
Sena Julia

parent place
Italy
Tuscany
Siena province

notes
Founded as Etruscan hill town; later was Roman city of Sena Julia; thrived under Lombard kings; was medieval self-governing commune; was seat of Ghibelline power ...

geographic coordinates
43 19 N, 011 21 E

place types
inhabited place
provincial capital

bibliography
Annuario Generale (198
Dizionario Corografico cana (1972)
Webster's Geographical Dictionary (1984) Hook, Siena (1979), 6 ff.
TCI: Toscana (1984), 479 ff.
Times Atlas of the World (1992), 183
Canby, Historic Places (1984), II, 861

dates
settled by Etruscans (flourished 6th cen. BCE)

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Union List of Artist Names

Scope and Range

- ***ULAN contains records for 110,000 artists, 220,000 names***
- ***Records contain names, biographical information, relationships, & bibliography***

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- Scope is from Antiquity to the present
- Coverage is global, preponderance Western artists
- Identified individuals or groups of individuals working together (corporate bodies)
- Involved in the conception or production of visual arts & architecture

Elements of a ULAN record

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Focus is concept

roles
painter
draftsman

names
Dosso Dossi
Giovanni de Lutero
Dosso da Ferrara

geographic location
Ferrara (Italy)

artist

notes
Although early biographers, including Vasari, noted a birth date of ca. 1475, modern scholars agree that he cannot have been born much before 1490...

life dates
born ca. 1490, active from 1512, died 1542

related people
student of:
Lorenzo Costa di Ottavio, from 1507

raphy
t; Berenson; *Bolaffi; *Encyc. world art;
Gibbons, DOSSO AND BATT. DOSSI (1968);

Relationships in Vocabularies

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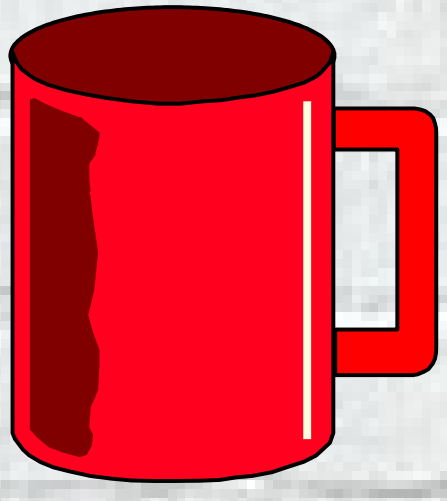
Why vocabularies?

mug

cup



stein

container

vessel

earthenware

ceramics

pottery

- *Goal is to allow access to visual arts & material culture information*
- *People don't always know what a person, place, or thing is called*
- *Different people use different terms for same person, place ,or thing*
- *Vocabularies gather related terms together to improve access to information for research and education*

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Why vocabularies?

- ***As sources of standard terminology for use in description, cataloguing, and documentation***
- ***As "assistants" in on-line search engines, creating a semantic "road map" that shows links and paths between concepts***
- ***Knowledge bases***

apodyteria
apodyterium
gymnasteria
gymnasterium

SN: *Dressing rooms in ancient Greek and Roman baths and palaestrae.*

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What is a structured vocabulary?

- A collection of words and phrases (=terminology) *structured to show relationships* between terms and concepts
- A tool for *consistency* in the language used in the recording and retrieval of information

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Structured vocabularies

- *Relationships include links between synonyms*

Harlem Renaissance

Negro Renaissance

New Negro Movement

Renaissance, Harlem

Renaissance, Negro

<*visual works by form*>

dioramas
diptychs
medals
medallions (medals
polyptychs
triptychs

- *Relationships include links that organize terms and provide*

Relationships in vocabularies

- Equivalence
  - synonyms, spelling variations, language variations
- Hierarchical
  - broader to narrower
    - whole/part
    - genus/species
- Associative
  - related concepts

Equivalence Relationships in

soft paste
porcelain
soft-paste porcelain
artificial porcelain
frit porcelain
porcelaine de France
pâte tendre

- *multiple terms refer to the same concept*
- *enables more powerful retrieval*
- *one flagged as "preferred"*

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Equivalence Relationships in TGN

Al-Qāhirah
Le Caire
Cairo
Kairo
Al Kahira
Al Fustat

- *All names in a place record have equivalence relationships*

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Equivalence Relationships in ULAN

- *all names refer to same person,* ***Italian painter, born in Dalmatia, ca. 1510-1563***

Hierarchical Relationship in AAT – Genus/Species

funerary sculpture
- ....brasses (memorials)
- ....effigies
- .....gisants
- ....haniwa
- ....mintadi
- .....bitumba
- ....mma
- ....niombo
- ....tomb slabs
- ....ushabti

- *relationships depicted with indention*
- *brasses, effigies, gisants, haniwa, & ushabti are types of funerary sculpture*

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Hierarchical Relationship in TGN - Whole/Part

España (nation)
Andalucía (region)
Almería (province)
Cádiz (province)
Córdoba (province)
Granada (province)
Huelva (province)
Málaga (province)
Sevilla (province)

map of Andalucia: http://www.andalucia.com/

- *provinces are part of the region, which is part of the nation*

Hierarchical Relationship

Gobelins, Manufacture Royale des
- **Painting Studio**
- **Sculpture Studio**
- **Tapestry Manufactory**
  - **Dye Works**
- **Furniture Manufactory**
  - **Marquetry Studio**
  - **Pietra Dura Studio**
- **Metalwork Studio**
  - **Engraving Studio**

- *Departments or divisions are part of larger administrative structures in manufactories, architectural firms, studios, etc.*

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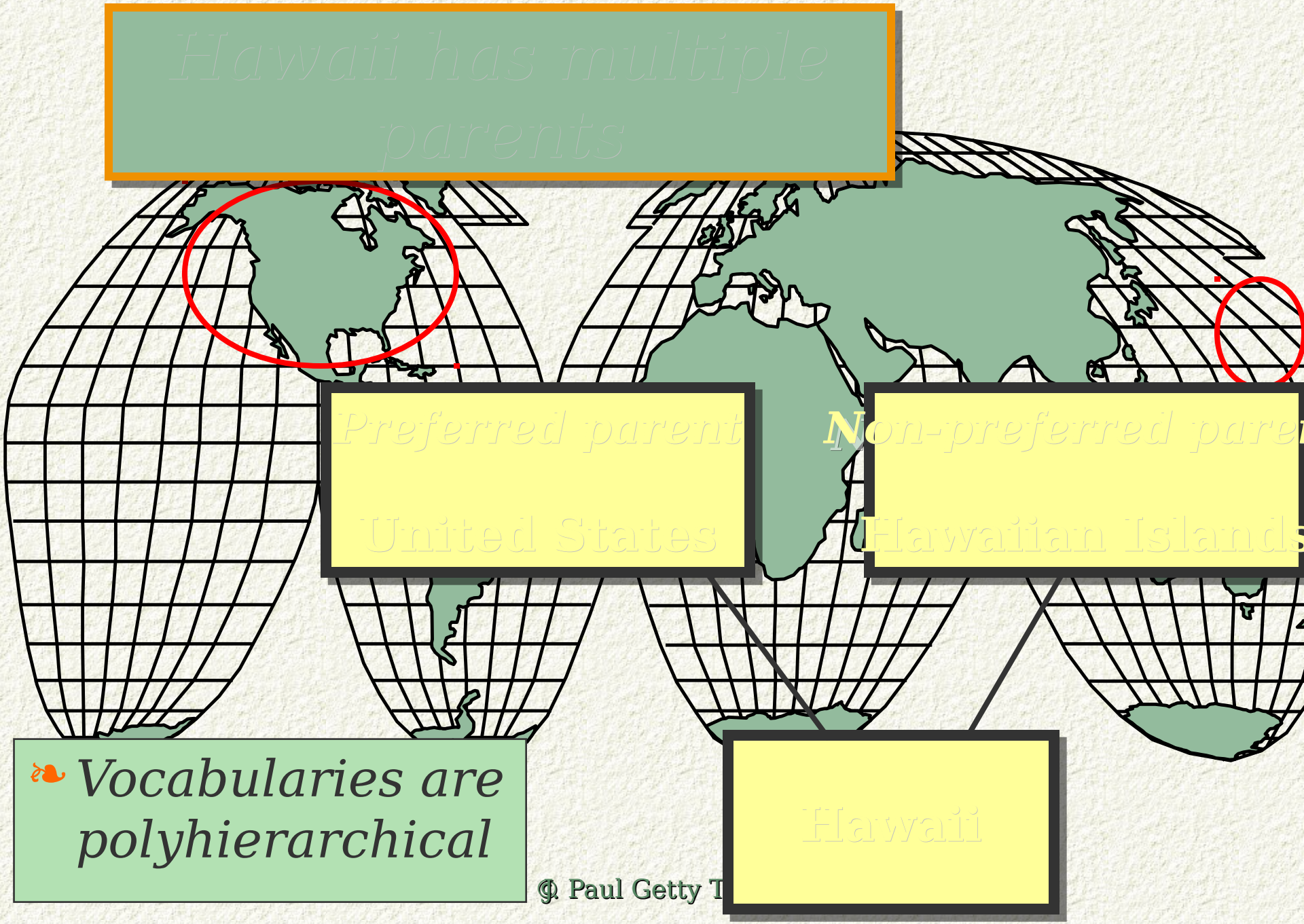

- *Vocabularies are polyhierarchical*

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Associative

Descriptor: ***charterhou***

Hierarchy: Built Comple

Scope note: Carthusian monasteries.

Alternate Forms of Speech {ALT}:
charterhouse
Synonyms and spelling variants {UF}:
certose
charter houses
chartreuses

Related concepts:
Carthusian

- *There may be associative relationships between concepts*

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Associative Relationship in TGN

Hazor

Tel Hazor

- *There may be associative relationships between places*
  - *deserted settlement may be related to modern town*
  - *date for relationship*

for deserted settlement in Israel

DESCRIPTIVE NOTE:
Located over Huleh Valley, near modern town Hazor; for centuries was one of most important cities of Canaan, in control of rich agricultural area & vital trade &

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Associative Relationships in ULAN

RELATED PERSON:

son of

Albrecht Dürer the elder

RELATED PERSON:

student of

Michael Wolgemut, from 1486 through 1490

- student/teacher relationships
- familial relationships if parent is also an artist
- dates of relationship

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Other Information in Vocabularies

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[198841]
rhyta

AAT record

Art & Architecture Thesaurus

Terms:

Descriptor:

rhyta

Alternate Forms of Speech {ALT}:

rhyton

Synonyms and spelling variants {UF}:

protomai
protome
rhea
rheon
rheons

Related concepts {RT}

stirrup cups
sturzbechers
drinking vessels
<ceremonial vessels>

- *Multiple terms for same concept, one "descriptor"*
- *Related concepts*

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[198841]
rhyta

Art & Architecture Thesaurus

Scope note:
Vessels from Ancient Greece, the Middle East, or eastern Europe, often in the shape of a horn or an animal's head, typically used as a drinking vessel or for pouring wine into another vessel.

Note describes meaning, use of term

Sources:
Dict. of Art; Gisela & Milne, Athenian Vases; Vermeule, Greece in Bronze Age; Chenhall, Nomenclature.

Sources are standard reference books, articles or other sources

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[198841]
rhyta

Art & Architecture Thesaurus

Hierarchical Position:

<Containers>
...containers
.....<containers by function or context>
.....<culinary containers>
.....<containers for serving and consuming food>
.....<vessels for serving and consuming food>
.....**rhyta**

✯*Hierarchical position indicated by indention*

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[7001188]
Alexandria (inhabited place)

TGN record

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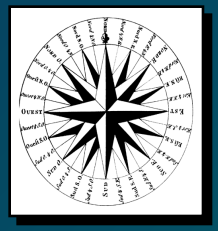

Getty Thesaurus of Geographic Names

Names:

Al-Iskandarīyah (C,V-pref) ...
Arabic .....name used since 640 AD
El Iskandariya (C,V)
Alexandria (C,O-Engpref) ... *used since 4th .....cen. BC, named after Alexander the Great*
Alejandría (C,O)
Alexandrie (C,O)
Alessandria d'Egitto (C,V)
Alexandria ad Aegyptum (H,V) ...
Roman
Alexandria Aegypti (H,V)

★ *names include preferred vernacular, English, historical, others*

[7001188]
Alexandria (inhabited place)

Lat: 31 12 N *Long:* 029 54 E

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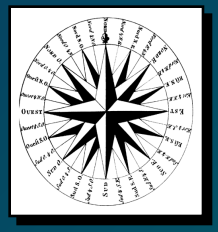

Getty Thesaurus of Geographic Names

- *Coordinates indicate a point in the center of the place*
- *Notes describe the place, history, controversies*

Descriptive Note:
Located on narrow strip of land between Mediterranean Sea & Lake Mariut, now partially submerged; was center of Hellenic scholarship & science in Antiquity; was built by Greek architect Dinocrates for Alexander the Great; was

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[7001188]

Alexandria (inhabited pl…)

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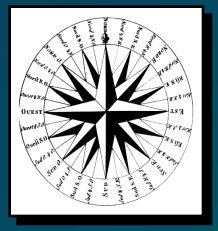


Getty Thesaurus of Geographic Names

Place Types:

inhabited place (C) *… was probably …settled in 13th cen. BCE; city was …founded on site of existing village …in 331 BC*

city (C)

regional capital (C)

port (C) *…main port of Egypt*

cultural center (C) *…was site of …renowned ancient library*

capital (H) *…of Alexander's Egyptian …domain*

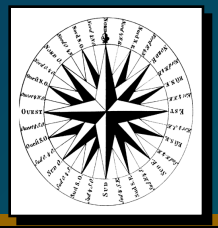
fishing community (H) *…was site of …fishing village until city of …Alexandria was built*

★terms describe important roles of the place

★may have dates

[7001188]

Alexandria (inhabited place)



Getty Thesaurus of Geographic Names

Hierarchical Position:

Africa.....(continent)
M□sr.....(nation)
Urban.....(region)
Al-Iskandar□yah..(governorate)
Al-Iskandar□yah..(inhabited place)
Al-Hadrah.....(neighborhood)
Antirrhodos.....(former island)
Pharos.....(island)

☆ *part/whole relationships indicated with indention*

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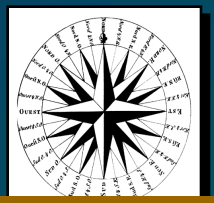
[7001188]
Alexandria (inhabited place)



Getty Thesaurus of Geographic Names

☆ *sources are standard, general reference works*
☆ *scholarly works, bulletins from USBGN, etc.*

Sources and contributors::

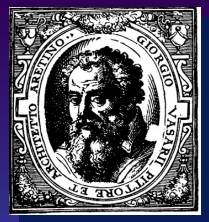
Al-Iskandariyah..... *Encyclopædia Britannica (1985), ...I, 250 [VP]*

...Times Atlas of World History (1994), 336 [VP]
...Webster's Geographical Dictionary (1984), 30 [VP]
Alexandrea *....ARLIS/NA: Ancient Site Names (1995)*
Alejandría..... *Rand McNally Atlas (1989), I-4 [VP]*
Alessandria d'Egitto..... *Cassell's Italian Dictionary .....(1983), 21 [VP]*
Alexandria.....*Columbia Lippincott Gazetteer (1961) .....[GCPS]*

...Webster's Geographical Dictionary (1984) [BHA]

[80976]
Bulgarini, Bartolommeo
(Sienese painter, active by 1337, died Sept. 4, 1378)

ULAN record



Union List of Artist Names

*Names include spelling variations, former names

Names:

Bulgarini, Bartolomeo	**[BA,GC,PR,**
Bartolomeo Bolgarini	[GC]
Bartolomeo Bolghini	[GC]
Bartolomeo Bulgarini	[PR]
Bartolommeo Bulgarini da Siena	[PR]
Lorenzetti, Ugolino	[GC,PR]
Maestro d'Ovile	[VP]
Master of the Ovile Madonna	[BA,GC,PR,VP]
Ovile Master	[GC,VP]
Ugolino Lorenzetti	[PR,VP]

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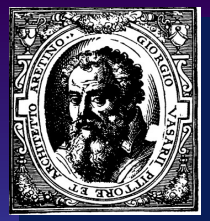
[80976]
Bulgarini, Bartolommeo
(Sienese painter, active by 1337, died Sept. 4, 1378)

SEX:
male



Union List of Artist Names

- *Male or female*
- *Important relationships, student/teacher, firm/member*

RELATED PERSON:
worked with
Master of the Palazzo Venezia Madonna, ca. 1350

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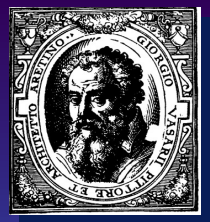
[80976]
Bulgarini, Bartolommeo
(Sienese painter, active by 1337, died Sept. 4, 1378)



Union List of Artist Names

*Note describing career, continued:

DESCRIPTIVE NOTE:
Phases of Bartolommeo's career were formerly attributed to anonymous masters known as Ugolino Lorenzetti and the Master of the Ovile Madonna. Bartolommeo's early works are heavily influenced by Pietro Lorenzetti and Ugolino di Nerio. During the 1350s, he followed the fashion in Siena by returning to the two dimensionality, fluid lines, and decorative details of Simone Martini. He worked primarily in Tuscany, painting extensively for various Sienese churches, including five panels for Santa

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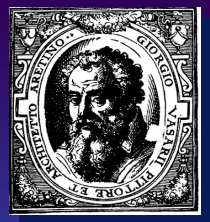
[80976]
Bulgarini, Bartolommeo
(Sienese painter, active by 1337, died Sept. 4, 1378)



Union List of Artist Names

BIBLIOGRAPHY:
*Bolaffi; *Dict. of Art, 1996; *Fredricksen & Zeri, Census; *Thieme-Becker; E. Beatson, N. Muller and J. Steinhoff: 'The St Victor Altarpiece in Siena Cathedral: A Reconstruction', A. Bull., lxviii(1986), pp. 610–31

Contributed Biographies:
(Sienese painter, born before 1337, died Sept. 4, 1378)
[VP]
(Italian artist, op.1345-1373)
[WC]
(Italian painter, act. mid-late 14th

- *Sources are standard, general reference books, articles, monographs*
- *Biographies*

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Applications of Vocabularies

- Used as *cataloguing aids*
- Also used as *search assistants* and *knowledge bases*

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Vocabularies as Cataloging Aids

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Subject Matter - Description
DEFINITION
A description of the work of art in terms of the generic elements of the image or images depicted in, on, or byit.

EXAMPLES
Woman holding a baby, with one man behind her and three men holding objects before her[Figure 24]

Subject Matter - Identification
DEFINITION
The name of the subject depicted in or ona work of art: its iconography. Iconography is the named mythological, fictional, religious, or historical narrative subject matter of a work of art, or its non-narrative content in the form of persons, places, or things.

EXAMPLES
Adoration of the Magi [Figure 24]

Establish criteria for indexin

- For example, three levels of subject description common in art history (CDWA)
- Important for access

Subject Matter - Interpretation
DEFINITION
The meaning or theme represented by the subject matter or iconography of a work of art.

EXAMPLES
Magi
The Magi represent the three parts of the then-known world, the three races of man, and the three ages of man. They offer gifts of gold (symbolizing Christ's kingship), frankincense (for Christ's divinity), and myrrh (used in embalming, and so foretelling Christ's death) [Figure 24].

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- Display vs. Indexing
- Information must be indexed for access

- Should use structured or controlled vocabulary

Subject Matter - Identification
DEFINITION
The name of the subject depicted in or ona work of art: its iconography. Iconography is the named mythological, fictional, religious, or historical narrative subject matter of a work of art, or its non-narrative content in the form of persons, places, or things.

EXAMPLES
Adoration of the Magi [Figure 24]

Subject Matter - Identification -Indexing Terms
DEFINITION
An identification, using a controlled vocabulary, of the subject depicted in or by a work of art.

EXAMPLES

Adoration of the Magi	Three Kings
Jesus	Mary
Joseph	Balthazar
Melchior	Caspar

TERMINOLOGY/FORMAT
For iconographic themes, controlled vocabularies include ICONCLASS,Garnier's Thesaurus iconographique, the Index of Jewish Art, and LC Thesaurus for Graphic Materials.
For identified persons or groups, an authority file is recommended; vocabulary resources include Canadiana Authorities, LC Name Authorities, and ULAN.

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- Index name of iconographical subject for access
  - Adoration of the Magi
  - Iconclass:

A] [D] [K] [S] [R]

- adoration of the kings: the Wise Men present their gifts to the Christ-child (gold, frankincense and myrrh)

- Index generic description for access
  - specifically Virgin Mary and Jesus
  - and/or fondly mother and child

- Combine subject with other fields
  - Adoration of the Magi
  - artist nationality = Italian (i.e., from Artist authority)
  - date of work = 15th-18th centuries

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Vocabulary applied to art object or architecture

- *Object Type:* sculpture
- *Title:* Queen Nefertiti
- *Measurements:* height: 50 cm
- *Material:* limestone
- *Technique:* sculpting
- *Creator:* Tuthmosis (Egyptian master sculptor, 14th cen. BCE)
- *Role:* **sculptor**
- *Nationality/Culture:* Egyptian
- *Date:* ca. 1340 BCE
- *Repository Name:* Egyptian Museum
- *Repository Place:* Berlin, Germany
- *Repository Number:* 21-300
- *Original Site:* Amarna, Egypt
- *Style/Period:* New Kingdom, Eighteenth Dynasty
- *Subject:* woman, Egyptian, portraiture, court of Akhenaten, Queen Nefertiti, Queen Nofretete

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- **Getty vocabularies provide terms for the fields indicated**

©J.

Vocabulary applied to texts

In Masaccio's *Expuls*
the chapel's left-hand e
Adam and Eve are being
gate of Paradise by a re
above their heads. One
the fresco's kinship wit
work and the increased
Brancacci paintings. Th
Masaccio to be a maste
although we do not kno
he had with it before th
paintings. It may well b
executed works in that
Masaccio was a born pa
natural feeling for mat
shared by artists such
Rembrandt, and Picass
Giovenale triptych, his
he demonstrates an ea
the handling of paint t

© J. Paul Getty Trus

- *Author:* Cole, Bruce
- *Title:* Masaccio and the Art of Early Renaissance Florence
- *Date of Publication:* 1980
- *Object Type:* *fresco*
- *Title:* Expulsion of Adam and Eve from Paradise
- *Creator:* *Masaccio* (Florentine, 1401-ca. 1428)
- *Date:* ca. 1425
- *Repository Name:* Brancacci Chapel, Santa Maria del Carmine. *Florence, Italy*
- *Subject:* Adam and Eve, Expulsion from Paradise, Garden of Eden, Original Sin
- *Other Indexing Terms:* *giornate, fresco, Renaissance, chiaroscuro, modeling*

- ***Abstracting and indexing***
- ***Index what text is about - not just what is***

Vocabulary applied to "surrogates"

- *V1.Vis. Doc. Type:* color photograph
- *V3.VD M*
  inches
- *V4.VD D*
- *V5.VD O*
  Norton,
- *V5.VD O*
- *V7.VD V*
  Overvie
- *V8.VD S*
  Scroveg
  of the V
- *V9. VD S*
  in Italia

- *V1.Vis. Doc. Type:* color slide
- *V2.VD Format:* 35 mm
- *V3.VD Meas*
  inches
- *V4.VD Date:*
- *V5.VD Owne*
  Norton, OK,
- *V5.VD Owne*
- *V7.VD View*
  Overview fr
- *V8.VD Subje*
  Scrovegni (A
  of the Virgin
- *V9. VD Sour*
  010:Giotto,

- *V1.Vis. Doc. Type:* digital image
- *V2.VD Format:* JPEG
- *V3.VD Measurements:* 1560 x 1709 pixels
- *V4.VD Date:* 1995
- *V5.VD Owner:* Collins College, Norton, OK, USA
- *V5.VD Owner No.:* 52436-b
- *V7.VD View D*
  from the entr
- *V8.VD Subjec*
  Scrovegni (Ar
  the Virgin an
- *V9. VD Source:* Pittura murale in Italia, 1995, p. 121

- ***Also used for visual documents***

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Vocabulary applied to Web pages

Note: this is an example of how this page COULD be indexed, not how it actually is indexed by the Tate.

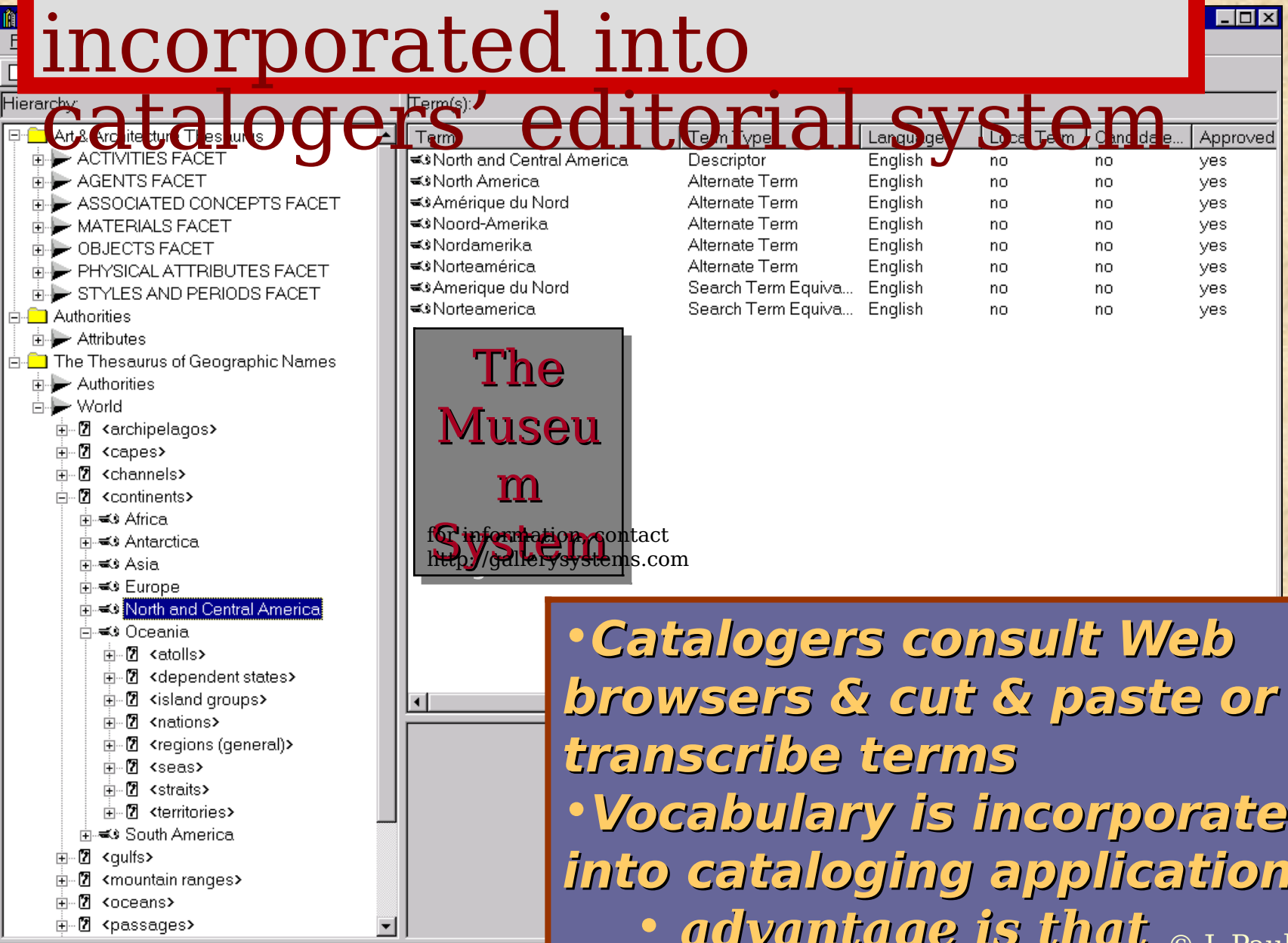
On a Web page for the Tate Collections (http://www.tate.org.uk/), this drawing is depicted:

J.S. Laing active 184
Figure of Christ fro
at Vezelay
Pen and ink on paper (D[pi])
support 175 x 145 mm
support, secondary 258 x 228 mm
Purchased as part of the Oppé Collection with
assistance from the Na
through the
Heritage Lottery Fund
T09080

```
<HTML><HEAD><!-- begin title
--><TITLE>Figure of Christ from the
Tympanum at Vezelay</TITLE>
<!-- end title --><!-- begin meta -->
<META name="description" content="J.S.
Laing active 1847 | Figure of Christ from the
Tympanum at Vezelay ">
<meta name= "keywords" content="J.S. Laing,
active 1847, drawing, T09080,Christ,
tympanum, Vézelay, Burgundy, Gislebertus
d'Autun, Ghislebertus, Giselbertus,
Romanesque, French, 12th century "><!-- end
meta -->
```

- **Indexing the Web page depends upon target audience**
- **Subject of the page**

Vocabularies are incorporated into catalogers' editorial system



- ***Catalogers consult Web browsers & cut & paste or transcribe terms***
- ***Vocabulary is incorporated into cataloging application***
  - ***advantage is that***

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Controlled vocabulary

- ***Title :*** **The Story of Adam and Eve**
- Giovanni Boccaccio, *Des cas des nobles hommes et femmes*
- ***Artist*****:** Master of the Swans
- ***Object Type*****:** manuscript leaf
- ***Medium:*** tempera colors, gold leaf, and gold paint on parchment
- ***Date of Execution*****:** ca. 1415
- ***Dimensions:*** leaf: 42 x 29.6 cm
- ***Location:*** J. Paul Getty Museum, 96.MR.17.FOL. 3

- ***Vocabularies may control terminology***

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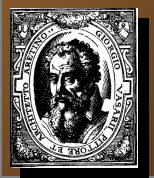

Master of the Swans

Boucicaut Master
[BHA,GRIPSC, JPGM] .

(French artist, active ca. 1405-ca. 1420)

Master of the Book of Hours of the Maréchal de Boucicaut [BHA]

Master of the Hours of Maréchal de Boucicaut [GRIPSC]

Master of the Marshall of Boucicaut [WittC]

Master of the Swans [BHA]

Bibliography: Art Bull. art; Getty Photo Study

- ***May choose ULAN "preferred" form of the name = "controlled"***
- ***May choose an alternate***

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Vocabularies inform usage

- ***Title :*** **Bamana Headdresses**
- ***Artist*****:** Bamana peoples, Bamako region, Mali
- ***Object Type*****: headdresses**
- ***Medium:*** wood, iron, fiber
- ***Date of Execution*****:** 20th cen**.**
- ***Dimensions:*** heights: 55.2 cm and 59.1 cm
- ***Location:*** National Museum of African Art, gift of Dr. Ernst Anspach and museum purchase

- ***Vocabularies may inform usage of terminology***

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Object type: headdresses

Art & Architecture Thesaurus

Costume Hierarchy

...<accessories worn
the head>
.....headgear
.....headdresses
.....chi wara
.....commodes
(headdresses)
.....cornets
(headdresses)
.....crowns
(headdresses)
.....corone
(crowns)
.....English h
hennins

Scope Note: Bamana carved wooden headdresses representing antelopes or aardvarks, and worn by males who perform a masquerade in pairs, with one dancer representing a

- ***AAT may suggest a more specific term, "chi wara" instead of "headdresses"***

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Vocabularies solve riddles

- *W1.WorkType*: sculpture, votive figures
- *W2.Title :* Ploughman of Arretium
- *W3.Measurements:* 7 1/4 in. length
- *W4.Material*: bronze
- *W6.Creator*: unknown Etruscan
  - Nationality: *Etruscan*
  - Dates:*active 6th cen. BCE*
- *W8.Date*: 6th cen. BCE
- *W13.Original Site:*
- *W14.Style:* Etruscan
- *W15.Natlty/Culture:* Etruscan

- ***TGN provides modern name for ancient site***

- *W.16.Subject*: ploughman, oxen, labor, afterlife, ceremonies
- *W19.Notes:* This figure was found in one of the many sanctuaries from Etruscan Arretium, and was probably a votive offering. The subject reflects a natural preoccupation of the inhabitants of Arretium, which was an outpost of Chiusi in a fertile farming region.

Search Arretium

Getty Thesaurus of Geographic Names

[7006072]
Arezzo (inhabited place)

Lat: 43 25 N Long: 011 53 E
Note - *Was one of 12 ancient cities of Etruria; allied with Rome from 3rd cen. BC; was thriving medieval center; taken by Florence in 1384, later was part of grand duchy of Tuscany; ruled by French after N… W… th… by Hapsburgs; damaged during W…*

Hierarchical Position:
Europe……(contine…
Italia……(nation)
Toscana……(regio…
Arezzo……(prov…

Names:
Arezzo (C,V)
***Arretium* (H,V)…… ancient name**

Place Types:
inhabited place (C)…… inhabited since Etruscan period
city (C)
provincial capital (C)

- ***Search on ancient name retrieves record including modern name and modern hierarchical position***

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Vocabularies solve riddles

- *W1.Work Type*: painting
- *W2.Title :* Ships on the Maas at Dordrecht
- *W3.Measurements:* 1.149 x 1.702 m (45 1/4 x 67 in.)
- *W4.Material:* oil on canvas
- *W6.Creator*: A Cuyp
- *W8.Date*: ca. 1650
- *W14.Style:* Northern Baroqu
- *W15.Natlty/Culture:* Dutch

- ***Vocabularies may help supplement incomplete information***

- *W16.Subject*: ceremony, ships, war, soldiers,
- *W19.Notes:* In the early morning light, the river Maas and famous island city in present-day Zuid-Holland are the focus of great activity. Cuyp was probably commissioned to portray the arrival of a fleet of ships carrying 30,000 soldiers in the summer of 1646, two years before the Treaty of Münster ended hostilities with Spain.

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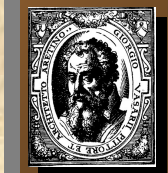
Search: **Cuyp***

Union List of Artist Names



Number of Matching Records: 6

1. **Cuyp, A.B.**
   (Netherlands artist, op.1594/7(?))

2. **Cuyp, Aelbert**
   (Dutch painter, 1620-1691)
   A. Cuyp
   Albert Cuyp
   Albert Kuyp
   Cuijp, Aelbert

3. **Cuyp, Benjamin Gerritsz.**
   (Dutch painter, 1612-1652)
   Cuyp, Benjamin
   Cuijp, Benjamin Gerritsz.

4. **Cuyp, Gerrit Gerritsz.**
   (Dutch painter, glass painter, ca.1565-1644)

- ***Painter is identified***

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Vocabularies solve riddles

- *Work Type:* sculpture
- *Title :* Head of a Buddha
- *Material:* limestone
- *Creator*: unknown Chinese
- *Date*: Tang dynasty, ca. 700
- *Original location*:
- *Current Location*: Sackler Gallery, Washington D
  of Arthur M. Sackler
  Foundation
- *Subject*: Buddha

- *Notes:* The sculpture was probably created for the Lonmien cave-temple complex in Henan province. It is a good example of Tang dynasty (618-907) sculpture, suggesting worldliness by the naturalistic modeling and decorative patterns, along with transcendent spirituality that is signified by the Buddha's downcast eyes and enigmatic pout.
  This head would have belonged to a seated or standing Buddha attached to the cave walls.

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•Browse hierarchies to find appropriate terms

image from http://www.si.edu/asia

Asia.....(continent)
Zhonghua.....(nati
Henan.....(prov
Angao.....(inhabited place)
Anping.....(inhabited place)
Anyang.....(inhabited place)
Baiqiu.....(inhabited place)
Baiqueyuan.....(inhabited place)
[...]
Liuta.....
Liuyuan.....
Liuyuankou.....inhabited place)
Longkou.....(inhabited place)
Longmen.....(caves)
Bingang .....(cave)
Feng Xian Si .....(cave)
Longqu.....(inhabited place) Luanchuan.....

Lonmien? cave complex

Getty Thesaurus of Geographic Names

- *Browse through likely names in Henan province*

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Limiting catalogers' choices can ensure consistency

- *Title:* Portrait of a Young Man
- *Artist*:
  - Name: *Bronzino*
  - Nationality: *Florentine*
  - Dates: *1503-1572*
- *Place:* Florence (Tuscany, Italy)
- *Culture:* Florentine
- *Style:* Mannerist
- *Object Type:* painting, portrait
- *Medium:* oil on wood
- *Date of Execution*: ca. 1540
- *Dimensions:* 95.6 x 74.9 cm
- *Subject Matter*: portrait, Medici court, literature

May use sections of vocabulary appropriate to field

Description: The style is typical of Medicean Florence, with the self-possessed aloofness of the sitter and the austere elegance of the interior. The attributes would suggest the sitter is a member of the cultivated society with literary interests.

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Styles and Periods

Mannerist

Art & Architecture Thesaurus

<styles and periods by region>
European
<European styles and periods>
<Early Christian-Byzantine styles and pe
Early Christian
Byzantine ...
<Medieval styles and periods>
Medieval
<Renaissance-Baroque styles and period
Renaissance ...
Reformati
Counter-R
Baroque ..
Rococo
<Renaissan
Manneris
Proto-Baroque

- *E.g. may wish to limit "style" field to Styles & Periods hierarchy in AAT*
- *May need to provide facility for accessing rest of AAT if necessary*

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Indexing with broader context

- *Title :* Broad-rimmed bowl
- *Artist:* workshop of
  - Giorgio Andreoli of Gubbio (Umbrian ceramist, pottery painter, born 1465/70 died after 1553)
- *Original Location:* *Orvieto (Umbria, Italia)*
- *Physical Descriptors:* palmette, cornucopia, coat-of-arms
- *Style:* Renaissance
- *Object Type*: bowl
- *Medium:* tin-glazed earthenv (maiolica)
- *Date of Execution*: ca. 1525-
- *Dimensions:* .236 m

- ***Consider if structure of hierarchy or other information is to be used in retrieval***
- ***If not, may need to include broader context in record***

- *Subject Matter*: Saracinelli family
- *Description:* Broad-rimmed bowl with palmette and cornucopia border; in the center, shield of arms of the Saracinelli of Orvieto

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Europe.....(continent)

Italia.....(nat

Umbria.....(

Terni.....(p

Aquasparta.....bited pla

Allerona.....(inhabited p

Alviano.....(inhabited pl

Alviano, Lago di.....(reservoir)

Amelia.....

Arrone.....

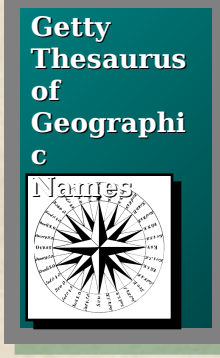
Attigliano...

[...]

Nera Montoro

Orvieto.....*(inhabited p*

Otricoli.....(inhabited p



- ***E.g., if "parents" not linked for retrieval, may need to record them in object record***

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Indexing with compound concepts

- *Built Work Name:* La Madeleine
- *Location:* Vézelay (Burgundy, France)
- *Built Work Type:* basilica, church
- *Style:* Romanesque, Gothic
- *Date of Execution:* original church was rebuilt after fire of 1120, choir was rebuilt after 1200

- ***Vocabulary may separate unique concepts to make it more powerful and more versatile***
- ***"bronze sculpture," "Romanesque basilica" are compound concepts***

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Art & Architecture Thesaurus

Romanesque basilica

- ***Concepts are separate in the AAT***
- ***"Romanesque" is the style and period***
- ***"basilica" is the form of the building***

Single Built Works

<single built works by form>

basilica

Refers to religious or secular buildings characterized by an oblong plan divided into a nave with two or more side aisles, the former higher and wider than the latter and lit by clerestory windows, usually terminated by an apse.

Romanesqu

Refers to the style and period most evident during the 11th and 12th centuries in western Europe. The style ... in general is characterized by the interpretation of ancient Roman style, including great size, round arches, ...

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compound pier

Components
piers (supporting elements)
<piers by form>
compound pier

UF:
clustered columns
compound pillars

Refers to piers composed of several engaged columns or pilasters grouped around a central core.

- ***But one concept may comprise multiple words***

image is from http://vrlab.fa.pitt.edu/medart/menufrance/vezelay/vezintro.html

- *Title :* Unicorn in Captivity
- *Artist*:
  - Name: *Pieter van Aelst the elder*
  - Nationality: *Netherlandish*
  - Dates: *ca. 1450 - ca. 1531*
- *Place:* Brussels (Flanders, modern Belgium)
- *Culture:* Flemish
- *Object Type*: tapestry
- *Medium:* wool and silk, with metallic gold and silver thread
- *Date of Execution*: 1495-1505
- *Dimensions:* 368 x 252 cm
- *Inscriptions:* monograms: FR; AE
- *Subject Matter*: Unicorn in Captivity, Passion of Christ, pomegranate tree, virginity, marriage, fertility

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- ***Choosing appropriate terms may require analyzing homographs***

series; the story merges pagan and Christian iconography; Unicorn was captured after resting his head in a virgin's lap, as Christ sacrificed his divinity to become human through a virgin; this scene represents the Resurrected Christ; other symbolism, including the fecund flora, suggests this tapestry celebrated a marriage.

wool and silk, with metallic gold and silver thread

Art & Architecture Thesaurus

- ***May want to consider hierarchical position***
- ***Is it an issue for retrieval?***

silk (fiber)
silk (textile)

wool (hair)
wool (textile)

gold
gold (color)

silver
silver (color)

wool (hair)
alpaca
angora
wool
cashmer
e
mohair
giviut
virgin
wool

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Define which vocabulary applies to which fields

Using the AAT

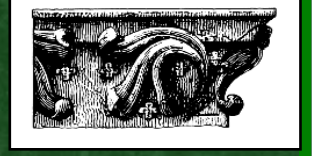
Which fields may be controlled by the AAT?

- **Object Type**
- **Material and Medium**
- **Technique**
- **Role**
- **Style/Period**
- **Nationality/Culture**
- **Subject**
- **Relationship Type**
- **Physical Description**
- **Condition**

for Surrogate

- **Visual Document Type**
- **Visual Document Format**
- **Visual Document Subject**

Art & Architecture Thesaurus



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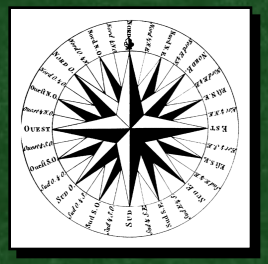
Using the TGN

- **Which fields may be controlled by the TGN?**
  - **Current Location**
  - **Original Site**
  - **Nationality/Culture**
  - **Subject**



Getty Thesaurus of Geographic Names

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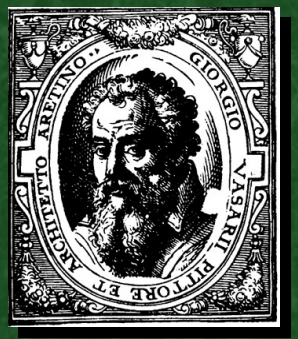
Using the ULAN

- **Which fields may be controlled by the ULAN?**
  - **Artist/Maker**
  - **associated information**



Union List of Artist Names

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Scope of one vocabulary may not cover all needs

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- *Title* : Chat Noir
- *Artist:* Théophile-Alexandre Steinlen (Swiss, 1859-1923)
- *Original Location:* Montmartre
- *Style:* fin-de-siecle
- *Object Type*: poster
- *Medium:* lithograph
- *Date of Execution*: 1896
- *Dimensions:* 11 3/8 x 15 3/4 in
- *Subject Matter*: **"shadow theater", guignols, cabaret, photomechanical relief- printing** domestic cat, *Felis domesticus*, Chat Noir, Rodolphe Salis

- ***How to index with terms not in Getty vocabs?***
- ***Generic & specific subjects***
  - ***animals, plants***
  - ***scientific terms***
  - ***etc.***
- ***Persons not artists***
  - ***subjects, sitters***
  - ***patrons***

Description: Steinlen's poster advertises reopening of a cabaret, the Chat Noir in Montmartre. Here the artist worked with se actors to present avant-garde shadow theate which investigated the artistic and dramatic effects of silhouettes, starring R. Salis as the popular, improvisational narrator, or

"bonimenteur" of each shadow performance

Terms not found in the Getty vocabs., cont.

- *Iconography*
  - *religion*
  - *mythology*
  - *literature*
- *General concepts*
- *Museum names*
- *Building names*
- *Events*
- *Dates*

Title : Ganesha

Artist: unknown N

Object Type: sculp

Medium: sandston

Date of Execution:

Subject Matter

Hindu god o

elephant, go

strength, ritual

"circumambulation"

Title : Cathedral of Saint John t 's-Hertogenbosch

Pieter Jansz. Saenredam (*Dutch,* 597-1665)

lace: 's-Hertogenbosch (Noord-rabant, Netherlands)

ulture: Dutch

tyle: Northern Baroque

bject Type: painting

ledium: oil on panel

ate of Execution: 1646

imensions: 1.289 x .870 m

ubject Matter: **Gothic athedral, apse, lerestory,** iconoclasts, t. John the Apostle athedral, Protestant Reformation

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Candidate terms & local vocabulary

- *Title :* Naiche , youngest son of Cochise
- *Artist:* A. F. Randall
- *Object Type*: photograph
- *Medium:* albumen
- *Size:* 14 x 22 cm
- *Date of Execution*: 1884
- *Subject Matter*: General George Crook's expedition in 1883, Indian Wars, Westward Expansion, San Carlos Reservation, Naiche , Chokonen branch of the Chiricahua Apaches

BULARY
se AAT term
ose TGN term
Choose ULAN term
Add local term

Local term:

Term: Indian Wars

Nationality:
Dates:
Roles:

- ***Method for recording candidates & local vocabulary***

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Vocabularies as Search Assistants

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Retrieval on networked systems

Giambologna?

Giovanni da Bologna?

Jean de Boulogne?

- ***Users call concept by various names***
- ***Items have been cataloged using various names for the***

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Retrieval with synonyms

- User does subject keyword search in IRIS on "Giambologna" and retrieves 18 items
- User does general keyword search in IRIS on "Giambologna" and retrieves 25 items
- User searches IRIS on "Giovanni da Bologna" and retrieves 84 items
- User does keyword search in IRIS on "Jean Boulogne" and retrieves 10 items, 9 of which are false hits
- User searches Photo Study Collection database on "Giovanni da Bologna" and retrieves 0 items
- User searches Photo Study Collection database on "Jean Boulogne" and retrieves 0 items
- User uses ULAN to search both IRIS and PSC and retrieves a total of 125 items

- ***Case study, library & photo study***

Retrieval with "siblings"

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- *Query for children of Siena province (Toscana, Italia, Europe)*

Argiano OR

Asciano OR

Buonconvento OR

Chiusi OR

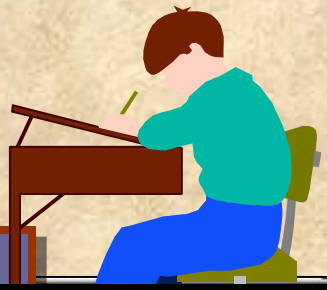
Montalcino OR

San Gimignano OR

Siena OR ...

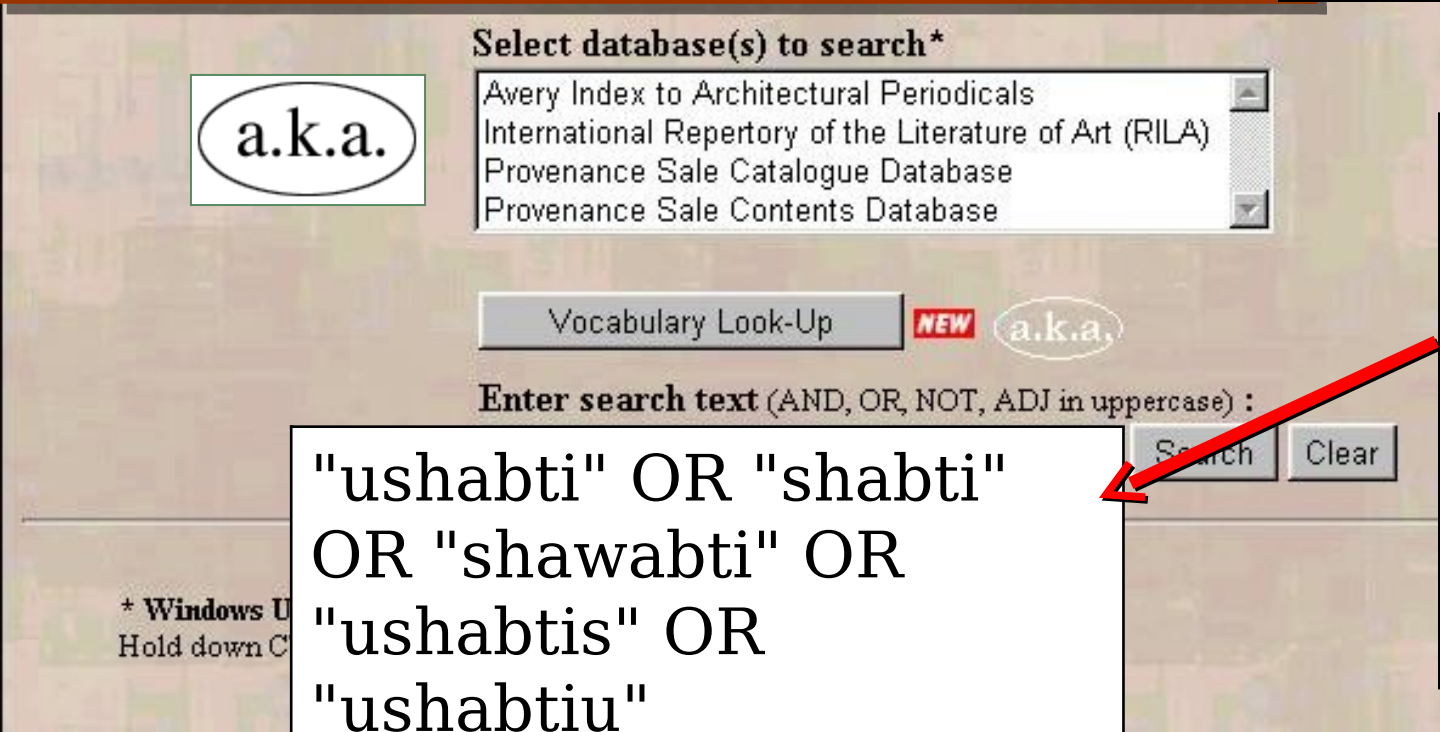
- ***Links between siblings may allow better retrieval***

Retrieval using "a.k.a."



- ***Implementation in search engine***
- ***E.g., User chose databases to query***
- ***User could use Getty vocabulary to broaden or refine search***

- User has concept in mind
- Search Scope Note for "Egyptian funerary"


a.k.a.
Select database(s) to search*
Avery Index to Architectural Periodicals
International Repertory of the Literature of Art (RILA)
Provenance Sale Catalogue Database
Provenance Sale Contents Database
Vocabulary Look-Up
NEW
a.k.a.
Enter search text (AND, OR, NOT, ADJ in uppercase) :
Clear
"ushabti" OR "shabti" OR "shawabti" OR "ushabtis" OR "ushabtiu"

From AAT
ushabti
shabti
shawabti
ushabtis
ushabtiu

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Vocabularies as Knowledge Bases

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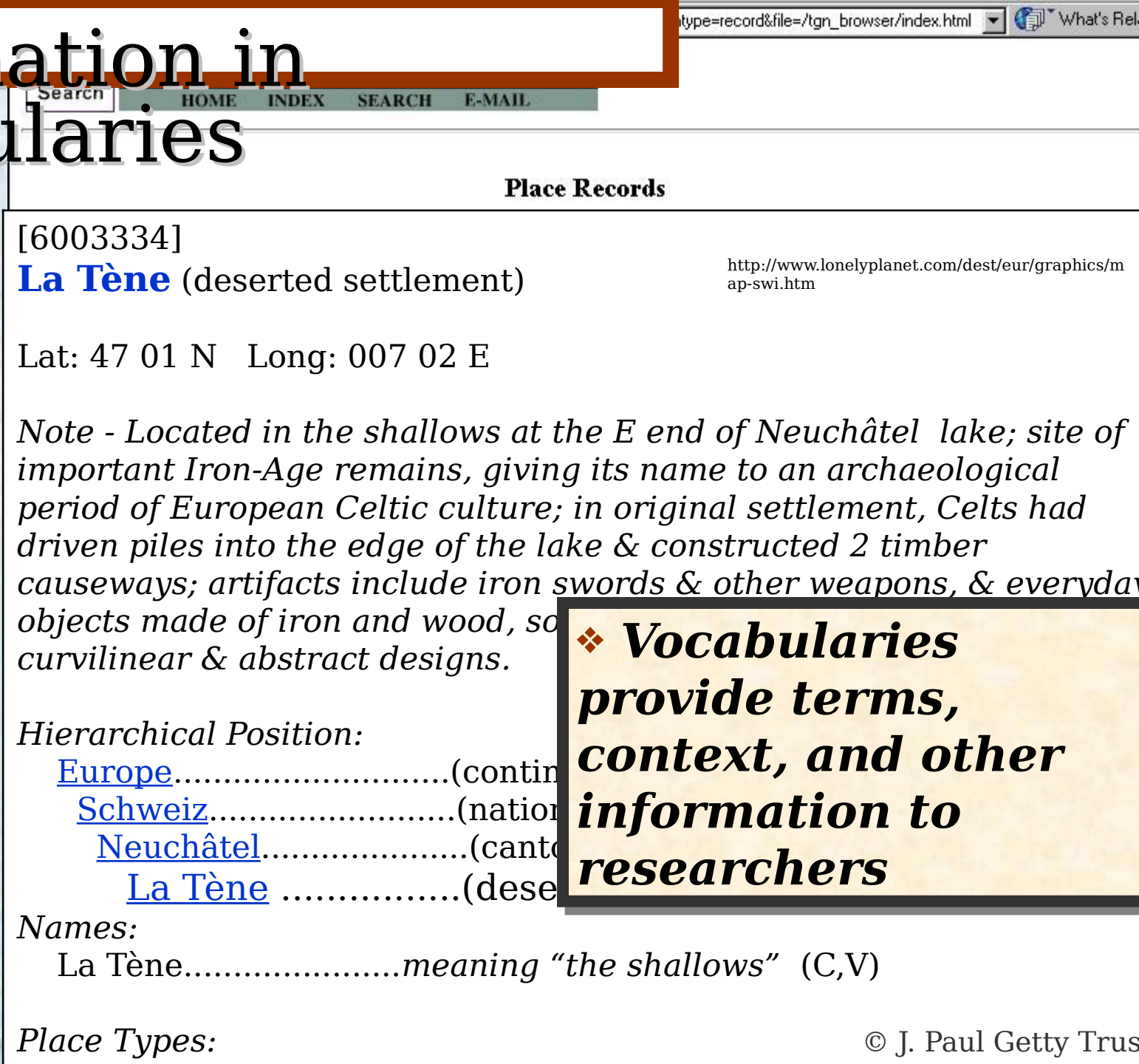
Information in Vocabularies


type=record&file=/tgn_browser/index.html
What's Rel
Search
HOME INDEX SEARCH E-MAIL
Place Records
[6003334]
La Tène (deserted settlement)
http://www.lonelyplanet.com/dest/eur/graphics/map-swi.htm
Lat: 47 01 N Long: 007 02 E
Note - Located in the shallows at the E end of Neuchâtel lake; site of important Iron-Age remains, giving its name to an archaeological period of European Celtic culture; in original settlement, Celts had driven piles into the edge of the lake & constructed 2 timber causeways; artifacts include iron swords & other weapons, & everyda
objects made of iron and wood, so
curvilinear & abstract designs.
Hierarchical Position:
Europe.....(contin
Schweiz.....(natio
Neuchâtel.....(cant
La Tène .....(dese
Names:
La Tène.....meaning “the shallows” (C,V)
Place Types:
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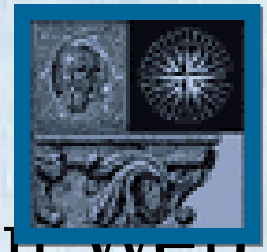
- ***Vocabularies provide terms, context, and other information to researchers***

Conclusion

- Vocabularies work best with Standards & Guidelines
- Create or choose vocabularies appropriate to your subject area
  - *Provide method of dealing with additional terminology as needed*
- Provide instruction for indexing
- Consider critical issues: controlled? homographs? broader contexts?

Conclusion

- Getty vocabularies are compilations, not comprehensive
- Target audience is visual arts and architecture community
- Grow through contributions
- Vocabularies are available on Web “browsers,” *http://www.getty.edu/gri/vocabularies*
- Data files may be licensed



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